

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 98/ 06764	International filing date (day/month/year) 03/04/1998	(Earliest) Priority Date (day/month/year) 03/04/1997
Applicant MASSACHUSETTS INSTITUTE OF TECHNOLOGY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (see Box I).

2. ☐ Unity of invention is lacking (see Box II).

3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing

☐ filed with the international application.

☐ furnished by the applicant separately from the international application,

☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐ Transcribed by this Authority

4. With regard to the title, ☒ the text is approved as submitted by the applicant

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International Search Report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is:

Figure No. 3 ☒ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/06764

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H01L21/768 H01L21/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	W. W. WU: "Laser Connection and Deconnection Scheme" IBM TDB, vol. 21, no. 1, 1 June 1978, page 268 XP002073098 see the whole document ---	1
A	PATENT ABSTRACTS OF JAPAN vol. 011, no. 400 (E-569), 26 December 1987 & JP 62 162344 A (SANYO ELECTRIC CO LTD; OTHERS: 01), 18 July 1987 see abstract ---	1, 20
A	US 5 374 590 A (BATDORF KERRY L ET AL) 20 December 1994 cited in the application see the whole document ---	1, 20
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

31 July 1998

Date of mailing of the international search report

20/08/1998

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 578 517 A (YOO CHUE-SAN ET AL) 26 November 1996 see the whole document ---	1,12-14, 20,33-35
A	COHEN S S ET AL: "LASER-INDUCED LINE MELTING AND CUTTING" IEEE TRANSACTIONS ON ELECTRON DEVICES, vol. 39, no. 11, 1 November 1992, pages 2480-2485, XP000321690 see the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 98/06764

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5374590 A	20-12-1994	EP 0622846 A	02-11-1994
		JP 2597818 B	09-04-1997
		JP 6314535 A	08-11-1994
US 5578517 A	26-11-1996	US 5729041 A	17-03-1998